Performance Data Sheet

RGA5494BXV

General Information

Model	RGA5494BXV	**Refrigerant**	R-410A
Test Condition	ARI	**Performance Test Voltage**	265V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	3050	3010					
	Watts	552	582					
	Amps	2.22	2.33					
	Lb/h	39.5	39.0					
-10	Btu/h	3590	3480	3370				
	Watts	565	600	635				
	Amps	2.26	2.39	2.53				
	Lb/h	45.3	44.5	43.8				
-5	Btu/h	4190	4010	3830	3650			
	Watts	576	615	655	696			
	Amps	2.29	2.44	2.59	2.75			
	Lb/h	51.8	50.8	49.8	48.7			
0	Btu/h	4860	4610	4370	4110	3860		
	Watts	584	628	673	718	764		
	Amps	2.32	2.49	2.66	2.82	3.00		
	Lb/h	59.1	57.8	56.6	55.2	53.7		
5	Btu/h	5590	5280	4960	4640	4320		
	Watts	589	638	688	738	788		
	Amps	2.34	2.52	2.71	2.90	3.08		
	Lb/h	67.1	65.6	64.1	62.5	60.8		
10	Btu/h	6390	6010	5630	5240	4850	4450	4050
	Watts	592	646	700	755	810	866	922
	Amps	2.35	2.55	2.75	2.96	3.16	3.37	3.58
	Lb/h	75.8	74.1	72.3	70.5	68.5	66.5	64.4
15	Btu/h	7250	6800	6350	5900	5440	4970	4500
	Watts	592	650	709	769	829	889	950
	Amps	2.35	2.57	2.79	3.01	3.24	3.46	3.69
	Lb/h	85.2	83.2	81.3	79.2	77.0	74.8	72.4
20	Btu/h	8180	7660	7140	6620	6090	5560	5020
	Watts	588	652	716	780	845	910	976
	Amps	2.34	2.58	2.82	3.06	3.30	3.54	3.79
	Lb/h	95.2	93.1	90.9	88.6	86.2	83.7	81.1

25	Btu/h	9160	8580	7990	7400	6810	6210	5600
	Watts	582	651	720	789	859	929	999
	Amps	2.32	2.58	2.83	3.09	3.35	3.62	3.88
	Lb/h	106	104	101	98.6	96.1	93.4	90.5
30	Btu/h	10200	9550	8900	8240	7580	6920	6250
	Watts	574	647	721	795	869	944	1020
	Amps	2.29	2.56	2.84	3.12	3.40	3.68	3.96
	Lb/h	117	115	112	109	107	104	101
35	Btu/h	11300	10600	9870	9140	8420	7690	6950
	Watts	562	641	719	798	878	957	1040
	Amps	2.24	2.54	2.83	3.13	3.43	3.73	4.03
	Lb/h	129	126	124	121	118	115	111
40	Btu/h	12500	11700	10900	10100	9310	8510	7710
	Watts	548	631	715	799	883	968	1050
	Amps	2.18	2.50	2.82	3.13	3.45	3.77	4.09
	Lb/h	142	139	136	133	129	126	123
45	Btu/h	13700	12800	12000	11100	10300	9400	8530
	Watts	530	619	707	796	885	975	1070
	Amps	2.11	2.45	2.78	3.12	3.46	3.80	4.14
	Lb/h	155	152	148	145	142	138	135
50	Btu/h	14900	14000	13100	12200	11300	10300	9410
	Watts	510	603	697	791	885	980	1070
	Amps	2.02	2.38	2.74	3.10	3.46	3.82	4.18
	Lb/h	168	165	162	158	155	151	147
55	Btu/h	16200	15300	14300	13300	12300	11300	10300
	Watts	487	585	684	783	882	982	1080
	Amps	1.92	2.30	2.68	3.06	3.44	3.82	4.20
	Lb/h	182	179	175	172	168	164	160

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.770354E+03	2.361894E+02	1.030800E+00	6.776907E+01
C2	2.501314E+02	-6.525613E+00	-2.451812E-02	1.925226E+00
C3	-2.401327E+01	4.362022E+00	1.619342E-02	-1.117592E-01
C4	1.233507E+00	-5.978646E-02	-2.407181E-04	1.343331E-02
C5	-1.370793E+00	1.003551E-01	3.850653E-04	-4.978877E-03
C6	9.003349E-03	-1.085933E-03	-5.245781E-06	1.945219E-04
C7	-1.628014E-03	-1.681851E-05	-9.695988E-07	-2.838089E-05
C8	8.276602E-04	5.293856E-05	9.347387E-07	1.407249E-05
C9	-1.859746E-06	-2.600815E-05	-2.537112E-07	3.256017E-07
C10	-9.263829E-05	1.143302E-05	5.738684E-08	-1.982249E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature